

Career and Technical Education (CTE) opportunities are delivered in all regions of the State by the colleges and universities within the Utah System of Higher Education. Career and Technical Education includes a wide range of programs that focus on helping students, workers and lifelong learners of all ages fulfill their potential. USHE institutions also work closely with the business and industry community to develop and deliver short-term programs specifically tailored to their workforce training needs. A variety of courses, certificates and associate's degrees are offered that focus on the needs of individuals by providing students with:

- Applied skills for entry-level employment while laying the foundation for the academic and more advanced technical skills needed for lifelong career development.
- Education pathways that help students explore interests and careers in the process of progressing through school.
- Second-chance education and training for the unemployed and underemployed and those seeking to upgrade their employability skills.
- Education leading to additional certificates and degrees, especially when related to career advancement.
- Corporate training, continuing education, skills upgrades and refresher courses for those already in the workplace.

Certificates of proficiency are awarded for short-term training programs leading to the acquisition of specific employment skills. Certificates of Completion are programs of one-year in length that prepare students for employment and are often the first step in a career ladder approach to associate's and bachelor's degrees.

Certificates of proficiency and completion may be credit or noncredit and are delivered in a variety of formats to fit the needs of students and the business community.

Associate of Applied Science (AAS) degrees are designed to lead students directly to employment requiring two years of preparation. The AAS degree includes a basic set of general education preparing the students with basic skills in composition, computation, and human relations. Some AAS degrees contain the full complement of general education and lead directly to a bachelor's degree. Many AS and AA degrees also provide specific skill levels that enable students to directly enter the workforce.

Career and Technical Education Awards

During the 2007-2008 year, USHE institutions awarded nearly 9,000 certificates and degrees in CTE related areas. The following table indicates the number awards given

by each of the USHE institutions. Although Career and Technical Education is often defined as two-years or less, many CTE certificate and associate's degrees lead to four-year programs. These pathways are illustrated in the fact that there are Baccalaureate degrees being awarded at the end of these pathway opportunities.

Career and Technical Education Degrees Awarded at Utah System of Higher Education Institutions

Number of Certificates of Completion and Associate's and Baccalaureate Degrees Awarded in 2007-08 in CTE Fields				
Institution	Certificates	Associate's	Baccalaureate	Total Awards
UU	0	0	1,335	1,335
USU	3	11	859	873
WSU	44	728	1,029	1,801
SUU	2	10	389	401
SNOW	43	181	0	224
DSC	580	159	101	840
CEU	51	133	0	184
UVU	27	615	704	1,346
SLCC	745	1,199	0	1,944
Total	1,495	3,036	4,417	8,948

USHE Headcount Enrollment in Career and Technical Courses

An unduplicated headcount data indicates that there were over 86,000 individuals who took advantage of career and technical course offering at one of the nine USHE post-secondary institutions during the 2008-2009 academic year. This is an increase of 10,285 students over the 2007-09 academic year.

Unduplicated Headcounts								
Row Labels	2008				2009			
	Summ er	Fall	Spri ng	2008	Summ er	Fall	Spri ng	2009
CEU - WE*					558	707	1,104	2,091
DSC	299	1,753	1,621	2,831	312	1,781	2,044	3,183
CEU	302	1,334	1,173	1,884	298	1,356	1,318	2,055
USU	321	1,795	1,746	3,495	326	2,000	2,061	3,986
SUU	252	1,859	2,448	3,537	200	5,008	3,562	5,798
Snow	337	2,486	2,184	3,436	304	2,585	2,399	3,668
WSU	2,540	8,654	9,176	15,017	2,674	9,966	8,786	15,428
UVU	2,513	10,744	9,970	16,279	2,896	11,863	10,706	17,657
SLCC	3,987	18,160	15,128	27,580	4,265	19,571	17,488	30,240
SLCC - Skill Center	829	961	933	1,808	768	1,008	1,196	2,046
Grand Total	11,380	47,746	44,379	75,867	12,601	55,845	50,664	86,152

* Data for CEU workforce Education was reported as part of UCAT - SEATC in 2008

Full-time Equivalent Enrollments

The following numbers were generated by summing the attempted credits in all courses identified as CTE/ internship (V & P) courses as submitted to the USHE data collection system by the member institutions. This data does not include continuing education enrollments such as Short Term Intensive Training (STIT), Elderhostel or workforce development. Data for the 2008 academic year does not include the enrollments at the CEU -Workforce Education Center (Southeast Applied Technology College). The formulas used to compute FTE are: FTE = (sum of attempted credits)/15 for credit courses and FTE = (sum of Membership and contact hours) / 450 for non-credit courses.

High School (HS) FTE is defined as those students who are enrolled as concurrent, dual or early admit students who are taking college level coursework prior to their high school graduation. The "Adult" category includes all students who are not classified as High School students.

Overall there was an approximate 13% increase in CTE enrollments (FTE) from the 2008 to the 2009 Academic year. Only a small portion (less than 1%) of this increase is attributable to the inclusion of the CEU - Workforce education data for the 2009 academic year.

The following table shows the Full-Time Equivalent (FTE) Enrollments. Included in the table is a breakdown of adult credit and non-credit FTE, and the FTE generated by High School Students in credit and non credit courses.

2008 Total FTE for Career and Technical Education Courses in USHE								
Institution	Fall		Spring		Summer		Total	
	Credit	Non-credit	Credit	Non-credit	Credit	Non-credit	Credit	Non-credit
CEU*	540.73		493.00		95.57		1,129.30	
DSC	569.07		548.60		75.93		1,193.60	
SLCC	6,283.00	626.89	5,397.33	445.58	1,344.10	368.67	13,024.43	1,441.15
SNOW	682.70	210.80	609.70	183.87	231.50	69.33	1,523.90	463.99
SUU	471.43		742.83		55.00		1,269.27	
USU	422.37		412.20		72.53		907.10	
UVU	3,972.87		3,739.17		830.30		8,542.33	
WSU	2,769.50	1.56	2,786.63	44.69	840.97	.70	6,397.10	46.95
Grand Total	15,711.67	839.26	14,729.47	674.14	3,545.90	438.70	33,987.03	1,952.09

2009 Total FTE for Career and Technical Education Courses in USHE								
Institution	Fall		Spring		Summer		Total	
	Credit	Non-credit	Credit	Non-credit	Credit	Non-credit	Credit	Non-credit
CEU	518.20	51.08	498.50	68.54	101.80	25.27	1,118.50	144.89
DSC	594.60		679.07		80.00		1,353.67	
SLCC	6,465.80	553.96	5,911.47	499.00	1,465.67	359.23	13,842.93	1,412.19
SNOW	696.97	196.58	628.50	212.06	86.07	18.92	1,411.53	427.55
SUU	2,568.20		1,293.87		42.53		3,904.60	
USU	452.83		482.53		72.97		1,008.33	
UVU	4,364.50		3,961.46		1,012.60		9,338.56	
WSU	3,090.33	4.41	2,917.20	.92	860.23	2.77	6,867.77	8.11
Grand Total	18,751.43	806.03	16,372.59	780.52	3,721.87	406.19	38,845.89	1,992.73

* Does not include the SEATC (Workforce Education data)

2008 Total FTE						
Institution	Credit		Non-Credit		Total	
	Adult	High School	Adult	High School	Adult	High School
CEU	979.03	150.27			979.03	150.27
DSC	1,078.20	115.40			1,078.20	115.40
SLCC	10,371.53	2,652.90	1,441.08	.07	11,812.61	2,652.97
SNOW	1,373.93	149.97	68.12	395.87	1,442.06	545.84
SUU	1,249.47	19.80			1,249.47	19.80
USU	658.30	248.80			658.30	248.80
UVU	7,564.53	977.80			7,564.53	977.80
WSU	5,491.33	905.77	46.95		5,538.28	905.77
USHE Total	28,766.33	5,220.70	1,556.15	395.94	30,322.48	5,616.64

2009 Total FTE						
Institution	Credit		Non-Credit		Total	
	Adult	High School	Adult	High School	Adult	High School
CEU	953.63	164.87	144.89		1,098.52	164.87
DSC	1,280.10	73.57			1,280.10	73.57
SLCC	11,180.83	2,662.10	1,411.98	.21	12,592.81	2,662.31
SNOW	1,272.63	138.90	72.70	354.85	1,345.33	493.75
SUU	3,719.73	184.87			3,719.73	184.87
USU	730.07	278.27			730.07	278.27
UVU	8,293.69	1,044.87			8,293.69	1,044.87
WSU	5,711.00	1,156.77	8.11		5,719.11	1,156.77
USHE Total	33,141.69	5,704.20	1,637.67	355.07	34,779.36	6,059.27

Opportunities Provided to High School Students through Concurrent Enrollment

In addition to regular Career and Technical Education courses that are available to high school students, on campus and at outreach campuses and centers, 27,426 students took advantage of college courses available through concurrent enrollment. Career and Technical Education makes up a significant portion of the credit hours generated in the concurrent enrollment.

Of the 27,426 students that participated in concurrent enrollment, 188,221 credit hours were earned and 42 percent of these credit hours were enrolled in CTE courses. The following table details these credit hours by institution.

Concurrent Enrollment Credit Hours by Institution		
Institution	2009 Earned Credit Hours	2008 Earned Credit Hours
UU	744	799
USU	39,124	43,635
WSU	27,496	24,094
SUU	2,481	3,415
SNOW	5,139	4,709
DSC	6,370	6,108
CEU	3,566	3,409
UVU	40,727	40,649
SLCC	62,574	64,746
Total	188,221	191,564

In compliance with the recent concurrent enrollment legislation (SB 81 by Senator Margaret Dayton, 2009 legislative session), the offerings are focused on courses that fit into specific career pathways. As a result the total credit hours generated in 2009 has decreased compared to 2008.

Summary

The Utah State Board of Regents has formed a Community College Task Force that is reviewing the role of the Community Colleges in Utah, and will be making recommendations on these issues including Career and Technical Education.